

# PERMIT TO CONSTRUCT

A/N 506095  
Granted / /2010  
DRAFT

## Equipment Description:

STORAGE TANK NO. 12, DOMED  
EXTERNAL FLOATING ROOF, PONTOON TYPE,  
WITH A MIXER, 115,000 BBL; DIAMETER:  
143.5 FT; HEIGHT: 40 FT

FLOATING ROOF WITH GEODESIC DOME

PRIMARY SEAL, CATEGORY A, METALLIC SHOE

SECONDARY SEAL, CATEGORY A, WIPER TYPE

## Conditions:

1. THE OPERATOR SHALL ONLY STORE CRUDE OILS AND PARTIALLY REFINED PETROLEUM PRODUCTS (EXCLUDING GASOLINE), WITH A TRUE VAPOR PRESSURE LESS THAN 11 PSIA.

[RULE 463, RULE 1303(b)(2) – OFFSETS, RULE 1401]

2. THE VOC EMISSIONS FROM THIS STORAGE TANK SHALL NOT EXCEED 259 POUNDS IN ANY ONE CALENDAR MONTH. VOC EMISSIONS SHALL BE DETERMINED USING EPA'S TANKS PROGRAM 4.09d OR OTHER METHOD AS APPROVED BY THE EXECUTIVE OFFICER. CALENDAR MONTHLY THROUGHPUT OF THE ACTUAL PRODUCT STORED SHALL BE DETERMINED PURSUANT TO CONDITION NO. 3. FOR EACH CALENDAR MONTH, THE EMISSIONS SHALL BE COMPUTED AND RECORDED NO LATER THAN THE 15<sup>TH</sup> DAY OF THE FOLLOWING MONTH. RECORDS OF MONTHLY EMISSIONS AND INFORMATION USED TO DETERMINE SUCH EMISSIONS SHALL BE MAINTAINED AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

[RULE 1303(b)(2)-OFFSETS, 1401]

3. THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE EVERY 15 MINUTES.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM

THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(b)(2)-OFFSETS, 1401]

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1173

[RULE 463, RULE 1149, RULE 1173]

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS

VOC: RULE 1178

FOR THE PURPOSES OF THE CONDITION, THE EQUIPMENT IS SUBJECT TO THE SEALS, ROOF FITTINGS AND PERFORMANCE REQUIREMENTS SPECIFIED IN RULE 1178 (d)(2)(D), (E), AND (F). IN ADDITION, THE EQUIPMENT IS SUBJECT TO THE REPAIR REQUIREMENTS OF RULE 1178 (g), AND THE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS OF RULE 1178 (f)(2) AND (h).

[ RULE 1303(a)(1) – BACT]

6. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

TANK THROUGHPUT

COMMODITY/PRODUCT STORED AND TIME PERIOD OF STORAGE

TRUE AND REID VAPOR PRESSURES, IN PSIA

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463]

7. THE OPERATOR SHALL PROVIDE TO THE DISTRICT FINAL AS BUILT DRAWINGS AND/OR SPECIFICATIONS OF THE GEODESIC DOME COVER AND ALL SEALS AND ROOF FITTINGS WITHIN 60 DAYS AFTER CONSTRUCTION IS COMPLETED.

[RULE 204]